

Bond Systems



Meister Abrasives USA
 Make A Quality Decision

abrasives
 United States of America

Type	Structure	Photo	Attributes / Uses
Plated	<p>Abrasive (single layer) Ni Bonding</p>		<ul style="list-style-type: none"> - highest grit protrusion - best profile retention - single layer only / limited life - inconsistent behavior as abrasive dulls <p>Typical Uses: rough or form grinding, dressing tools</p>
Resin	<p>Abrasive Resin Bonding</p>		<ul style="list-style-type: none"> - low grit protrusion - relatively soft - lowest wear resistance - not self sharpening - frequent dressing required - Relatively low cost wheels <p>Typical Uses: tool-room grinding</p>
Metal	<p>Abrasive Metal Bonding</p>		<ul style="list-style-type: none"> - low grit protrusion - very hard - highest wear resistance - not selfsharpening - Frequent / time-consuming dressing required <p>Typical Uses: dressing tools, grinding ceramics / glass</p>
Vitrified	<p>Vit Bond Abrasive Pore</p>		<ul style="list-style-type: none"> - High grit protrusion - high porosity - good wear resistance - cool cutting - low-force grinding - self-dressing / sharpening <p>Typical Uses: ultra-precision and high-production grinding</p>
Hybrid	<p>Abrasive Hybrid Bonding Pore</p>		<ul style="list-style-type: none"> - High grit protrusion - metal/ceramic hybrid bond - high porosity - high wear resistance - cool cutting <p>Typical Uses: dressing tools, grinding very hard materials</p>